

CURRICULUM **
Year of study I

Code	Disciplines*	Type	Sem. I [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0002	Linear algebra, analytical and differential geometry	FD	2	1	-	-	42	Ex	3	42	
IETI-0193	Computer aided graphics	FD	-	-	1	-	14	Vp	2	42	
IETI-0783	Computer programming and programming languages I	FD	2	-	2	-	56	Ex	5	84	
IETI-0013	Physics	FD	2	2	-	-	56	Ex	4	56	
IETI-0769	Applied informatics	SD	2	-	2	-	56	Vp	5	84	
IETI-1250	Logic design	SD	2	1	2	-	70	Ex	5	70	
IETI-0003	Mathematical Analysis	FD	2	1	-	-	42	Ex	4	70	
IETI-0538	Foreign Language I	CD	-	2	-	-	28	Vp	2	28	
	TOTAL		12	7	7	-	364		30	476	
	FACULTATIVE										
IETI-0025	Sports I	CD	-	1	-	-	14	A/R	2	42	
IETI-0024	Educational psychology	CD	2	2	-	-	56	Vp	5	84	

Code	Disciplines*	Type	Sem. II [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0009	Special mathematics	FD	2	2	-	-	56	Ex	4	56	
IETI-0785	Computer programming and programming languages II	FD	2	-	2	-	56	Ex	5	84	
IETI-1232	Electrotechnics	SD	2	-	2	-	56	Ex	4	56	
IETI-0948	Electronic devices and analog electronics	SD	2	-	2	-	56	Vp	5	84	
IETI-1085	Theory of probability and mathematical statistics	FD	2	-	2	-	56	Ex	5	84	
IETI-0242	Programming techniques	SD	2	-	2	-	56	Vp	5	84	
IETI-0540	Foreign Language II	CD	-	2	-	-	28	Vp	2	28	
	TOTAL		12	4	10	-	364		30	476	
	FACULTATIVE										
IETI-0026	Sports II	CD	-	1	-	-	14	A/R	2	42	
IETI-0020	Pedagogy I	CD	2	2	-	-	56	Vp	5	84	

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Head of department ,
 Associate Professor Dr. Elisa Valentina MOISI

RECTOR,
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DEAN,
 Associate Professor dr. GERGELY Eugen Ioan

CURRICULUM **
Year of study II

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0949	Functional programming	DD	2	-	2	-	56	Ex	5	69	
IETI-0210	Numerical methods	FD	2	-	2	-	56	Vp	3	19	
IETI-0116	Digital Electronics I	DD	2	-	1	-	42	Ex	4	58	
IETI-0159	Systems Theory	DD	2	-	1	-	42	Ex	4	58	
IETI-1207	Programming paradigms	DD	2	-	2	-	56	Ex	5	69	
IETI-0390	Algorithms and Data Structures	DD	2	-	2	-	56	Ex	5	69	
IETI-0795	Electronic measurements, sensors and transducers	DD	2	-	1	-	42	Vp	3	33	
	TOTAL		14	-	11	-	350		29	375	
	OPȚIONALE										
IETI-0591	Foreign Language III	CD	-	1	-	-	14	Vp	1	11	
	TOTAL		-	1	-	-	14		1	11	
	FACULTATIVE										
IETI-0511	Philosophy	CD	2	1	-	-	42	Vp	3	33	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-1092	Computer structure and organization	DD	2	-	2	-	56	Ex	4	44	
IETI-0118	Digital Electronics II	DD	2	-	1	1	56	Ex	4	44	
IETI-0145	User Interface Design	SD	2	-	2	1	70	Vp	4	30	
IETI-0119	Computer Graphics Elements	DD	2	-	1	1	56	Ex	4	44	
IETI-0132	Object Oriented Programming	DD	2	-	2	-	56	Ex	4	44	
IETI-0104	Data bases	DD	2	-	2	-	56	Ex	4	44	
IETI-1037	Domain practice	DD	-	-	-	-	90	Cv	4	10	
	TOTAL		12	-	10	3	440		28	260	
	OPȚIONALE										
	PACHET 1										
IETI-0592	Foreign Language IV	CD	-	1	-	-	14	Vp	1	11	
	PACHET 2										
IETI-1108	Academic Ethics and Integrity	CD	1	-	-	-	14	Vp	1	11	
IETI-1010	Environment protection	CD	1	-	-	-	14	Vp	1	11	
	TOTAL		1	1	-	-	28		2	22	

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CURRICULUM **
Year of study III

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0460	Microprocessor systems	SD	2	-	2	-	56	Ex	4	44	
IETI-0101	Computer architecture	SD	2	-	2	1	70	Ex	6	80	
IETI-1093	Applications of database management systems	SD	2	-	2	1	70	Ex	6	80	
IETI-1208	Computer aided design of electronic modules	SD	2	-	2	-	56	Vp	4	44	
IETI-0465	Operating systems	DD	2	-	2	-	56	Ex	5	69	
IETI-0164	Artificial Intelligence	DD	2	-	2	-	56	Vp	5	69	
	TOTAL		12	-	12	2	364		30	386	
	FACULTATIVE										
IETI-0573	Sociology	CD	2	-	-	-	28	Vp	2	22	
IETI-0593	Foreign Language V	CD	-	2	-	-	28	Vp	2	22	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0916	Mobile and web applications design	SD	2	-	2	-	56	Vp	4	44	
IETI-1169	Software engineering I	DD	2	-	1	-	42	Ex	4	58	
IETI-1095	Design with microprocessors	DD	2	-	1	-	42	Ex	3	33	
IETI-1209	Design with microprocessors - project	DD	-	-	-	1	14	Vp	1	11	
IETI-1094	Advanced operating systems	SD	2	-	2	1	70	Ex	4	30	
IETI-0920	Parallel and distributed algorithms	DD	2	-	1	-	42	Vp	3	33	
IETI-1210	Input - output systems and peripheral equipment	SD	2	-	-	1	42	Ex	3	33	
IETI-1211	Cryptography and information security	SD	2	-	2	-	56	Ex	4	44	
IETI-1038	Specialty practice	SD	-	-	-	-	90	Cv	4	10	
	TOTAL		14	-	9	3	454		30	296	
	FACULTATIVE										
IETI-0594	Foreign Language VI	CD	-	2	-	-	28	Vp	2	22	
IETI-0498	Business and Labour Law	CD	2	1	-	-	42	Vp	3	33	

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Code	Disciplines*	Type	Sem. VII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-1171	Data security	SD	2	-	1	1	56	Ex	4	44	
IETI-1172	Object oriented application design	SD	2	-	2	-	56	Ex	4	44	
IETI-1170	Software engineering II	DD	2	-	1	-	42	Ex	4	58	
IETI-1212	Software Engineering - project	DD	-	-	-	1	14	Vp	1	11	
IETI-0475	Fault-tolerant systems	SD	2	-	1	-	42	Ex	4	58	
IETI-0449	Computer networks	DD	2	-	2	-	56	Ex	5	69	
	TOTAL		10	-	7	2	266		22	284	
	OPTIONALE										
	PACHET 1										
IETI-1173	Performance evaluation	SD	2	-	2	-	56	Vp	4	44	
IETI-1213	Virtual and augmented reality	SD	2	-	2	-	56	Vp	4	44	
	PACHET 2										
IETI-1096	E-commerce	SD	2	-	1	-	42	Vp	4	58	
IETI-1068	Methodology for project development	SD	2	-	1	-	42	Vp	4	58	
	TOTAL		4	-	3	-	98		8	102	
	FACULTATIVE										
IETI-1234	Personal Development	CD	2	1	-	-	42	Vp	3	33	
IETI-1113	Entrepreneurship	CD	2	1	-	-	42	Ex	3	33	

Code	Disciplines*	Type	Sem. VIII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
	OBLIGATORII										
IETI-0806	Practice for diploma project development	SD	-	-	-	-	60	Cv	3	15	
IETI-1045	Diploma project elaboration	SD	-	-	-	4	56	Cv	4	44	
IETI-0504	General Economics	CD	2	-	-	-	28	Vp	3	47	
IETI-0904	Multimedia communication	CD	2	1	-	-	42	Ex	3	33	
	TOTAL		4	1	-	4	186		13	139	
	OPTIONALE										
	PACHET 1										
IETI-0146	Computer network Design	SD	2	-	1	1	56	Ex	5	69	
IETI-0905	Perceptual systems	SD	2	-	1	1	56	Ex	5	69	
	PACHET 2										
IETI-1214	Distributed systems	SD	2	-	1	-	42	Vp	4	58	
IETI-0809	Embedded Systems	SD	2	-	1	-	42	Vp	4	58	
	PACHET 3										
IETI-0153	Pattern Recognition Systems	SD	2	-	2	-	56	Vp	4	44	
IETI-1215	Knowledge-based systems	SD	2	-	2	-	56	Vp	4	44	
	PACHET 4										
IETI-1216	Data acquisition and processing	DD	2	-	2	-	56	Ex	4	44	
IETI-0267	Virtual instrumentation	DD	2	-	2	-	56	Ex	4	44	
	TOTAL		8	-	6	1	210		17	215	
IETI-0901	Diploma exam	SD	-	-	-	-	0	A/R	10	250	
	FACULTATIVE										
IETI-0565	Marketing	CD	2	1	-	-	42	Ex	2	8	
IETI-0514	Economical financial management	CD	2	1	-	-	42	Ex	2	8	
IETI-1235	Labour Science and Human Resources	CD	2	1	-	-	42	Vp	3	33	

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